

S/0063/64/009/002/0236/0238 ACCESSION NR: AP4030382

AUTHOR: Rayevskiy, V. G.; Gul', V.G.; Zamy\*slov, V. B.; Voyutskiy, S. S.

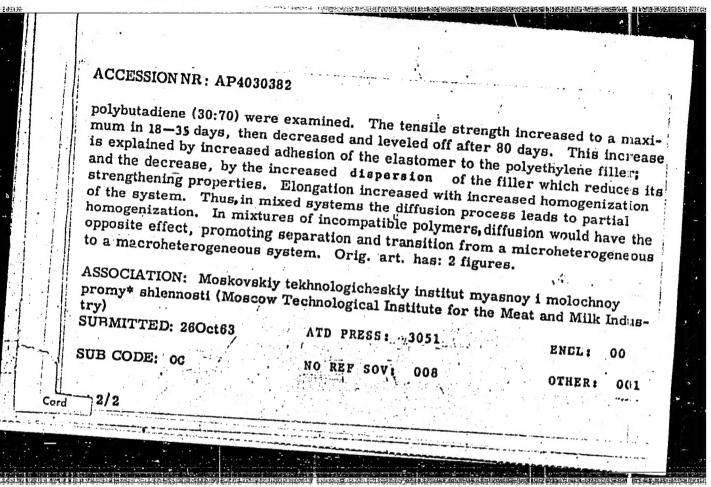
TITLE: Diffusion phenomena in polymer mixtures

SOURCE: Vsesoyuznoye khimicheskoye obshchestvo. Zhurnal. v. 9, no. 2,

1964. 236-238

TOPIC TAGS: polymer, diffusion, polyethylene polybutadiene mixture, microscopic analysis, mechanical property, filler, dispersiveness, incompatible polymer, polymer homogenization

ABSTRACT: The role of diffusion phenomena in mixed polymers was investigated and confirmed. Microscopic examination of films made of mixtures of lowpressure polyethylene and SKB-30 polybutadiene (15:85 parts by weight) revealed a gradual homogenization of the polyethylene filler particles with the polybutadiene, wherein the originally easily visible discrete particles appeared to dissolve in the matrix to form a fine granular structure which did not change toward the end of the 80-day test period. Mechanical properties of mixtures of polyethylene-



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ZAVYSLOVA, M. N.

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Mbr., Chair Hospital Therapy, Gor'kiy Med. Inst., -c1949-.

ZAMYSLOVA, K.N.

Effect of certain drugs on formation of vascular conditioned reactions in hypertension. Zh. vysshei nerv. deiat. 2 no.5:699-708 Sept-Oct (CLML 23:4)

1. Institute of Therapy of the Academy of Medical Sciences USSR.

Wilderson Aligher

BABSKIY, Ye.B.; MYASHIKOV, A.L.; GURFINKEL!, V.S.; ZANTSLOVA, K.H.: RCHCEL!, Ye.L.

First results of clinical application of cardiohemodynamography.

Ter. arkh., Moskva 24 no.1:68-76 Jan-Feb 52. (CIML 21:4)

1. Of the Institute of Therapy (Director-Prof. A.L. Hyasnikov, Active Hember AMS USSR) of the Academy of Medical Sciences USSR and of the Physiological Laboratory (Head--Prof. Ye.B. Babskiy, Active Hember of the Academy of Sciences Ukrainian SSR), Central Scientific-Research Institute for Prostheses.

是2014年4月(1989)1995年1995年1996日美國2015年1995日 1985年1995日 1985年1995日 1985年1995日 1985年1995日 1985年1995日 1985年1995日 19

DOROFEYEVA, Z.Z., kandidat meditsinskikh nauk; ZAMYSLOVA, K.N., kandidat meditsinskikh nauk.

Role of the neurogenic factor in the pathology of hypertension. Vop.pat.serd. sos.sist. 2 no.6:3-10 '53. (MLRA 6:11)

(Nervous system) (Hypertension)

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1. Is Instituta terapii Akademii meditsinskikh nauk SSSR (direktor - day-stvitel'nyy chlen Akademii meditsinskikh nauk SSSR A.L.Kysnikov).

(Rypertension)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963730002-0"

ZAMTSLOVA, K.N.; RATNER, N.A.

Review of A.I. Gruzin's book "Hypertension." Terap.arkh. 25 no.2:77-80 (MIRA 6:5)

(Rypertension) (Gruzin, A.I.)

ZAMYSLOVA, K.N.; BELYAYEVA, N.K.

Combination of hypertension and atherosclerosis. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:101-105 '63. (MIRA 17:7)

1. Institut terapii AMN SSSR, Moskva.

VAL'DMAN, V.A., zasl, deyatel' nauki RSFSR, prof.; ZAMYSLOVA, K.N., prof.; IL'HISKIY, B.V., prof.; KURSHAKOV, N.A.; LUKOMSKIY, P.Ye., prof.; MYASNIKOV, A.L.; prof.; MOLCHANOV, N.S., prof.; RAYEVSKAYA, G.A., prof.; TEODORI, M.I., kand. med. nauk; CHERNOGOROV, I.A., prof.; TAREYEV, Ye.M., prof., otv. red.; OSTROVERKHOV, G.Ye., prof., glav. red.; SHAPIRO, Ya.Ye., prof., red. toma; LYUDKOVSKAYA, N.I., tekhn. red.

[Multivolume manual on internal diseases] Mnogotomnoe rukovodstvo po vnutrennim bolezniam. Otv. red. E.M.Tareev. Moskva, Izd-vo "Meditsina." Vol.2. [Diseases of the cardiovascular system] Bolezni serdechno-sosudistoi sistemy. Red. toma A.L. Miasnikov. 1964. 614 p. (MIRA 17:3)

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ZAMYSLOVA, K.N.; MASLOVA, K.K. (Moskva)

Vascular hyperreactivity in hypertension. Vrach. delo
no.6x29-32 Je¹63. (MIRA 16:9)

1. Institut terapii AMN SSSR.
(HYPERTENSION)

VOLYNSKIY, Z.M., prof.; GILYAREVSKIY, S.A., prof.;

GEFTER, A.I., prof.; DEMIN, A.A., prof.; ZELENIN, V.F., prof.;

ISTAMANOVA, T.S., prof.; KEEROV, A.A., prof.; MESHALKIN, Ye.N., prof.; KEDROV, A.A., prof.; MESHALKIN, Ye.N., prof.; SAVITSKIY, N.N., prof.; FOGEL'SON, L.I., prof.; KHVILIVITSKAYA, M.I., prof.; LUKOMSKIY, P.Ye., prof., red. toma; MYASNIKOV, A.L., prof., otv. red.; TAREYEV, Ye.M., prof., zam. otv. red.; BAGDASARCV, A.A., prof. [deceased], red.; BARANOV, V.G., prof., red.; VOVSI, M.S., prof., red.[deceased]; IVANOV, V.N., prof., red.[deceased]; KURSHAKOV, N.A., prof., red.; MOLCHANOV, N.S., prof., red.; NESTEROV, A.N., prof., red.; SPERANSKIY, I.I., prof., red. [deceased]; ZAMYSLOVA, K.N., prof., red.; PERCHIKOVA, G.Ye., kand. med. nauk, red.; LYUDKOVSKAYA, Yu.S., tekhm. red.; BEL'CHIKOVA, Yu.S., tekhm.red.

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[Multivolume manual on internal diseases]Mnogotomnoe rukovodstvo po vnutrennim bolezniam. Otv. red. A.L.Miasnikov. Moskva, Medgiz. Vol.1. [Diseases of the cardiovascular system]Bolezni serdechno-sosudistoi sistemy. Red. toma: P.E.Lukomskii i N.N. Savitskii. 1962. 686 p. (MRA 15:12) (Continued on next card)

APPROVED FOR NELLAGE 1971 (1982) (198 ZAMYSLOVA, K.N., prof. Recent achievements in the treatment of hypertension. Kardiologiia 2 no.4:86-88 Jl-Ag '62. (MIRA 15:9) (HYPERTENSION)

2000年,100年中海東部國際共產黨的政治學的學術學科學,100年的政治學的政治學的教育學科學的學術學科學 ZAMYSLOVA, K.N. Treatment of hypertensive crises. Klin.med. 38 no.6:150-153 (MIRA 13:12) (HYPERTENSION)

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MOISEYEV, S.G.; BABSKIY, Ye.B.; BREDIKIS, Yu.I.; KUSHKIY, R.O.;
KALITEYEVSKAYA, V.F.; BEREZOV, Ye.; POKROVSKIY, A.V.; MELIHIK,
I.Z.; AGRAMENKO, V.A.; VINOGRADOVA, I.I.; SKACHILOVA, N.M.;
VIKHERT, A.M.; ZAPMSLOVA, K.M., prof.; SOKOLOVSKIY, V.P., prof.;
BEYUL, Ye.A., kand.med.nauk; SOLOV'YEV, V.V.

Minutes of the meetings of the Moscow Society of Therapeutists.
Terap.arkh. 35 no.1:112-118 Ja'63. (MIKA 16:9)

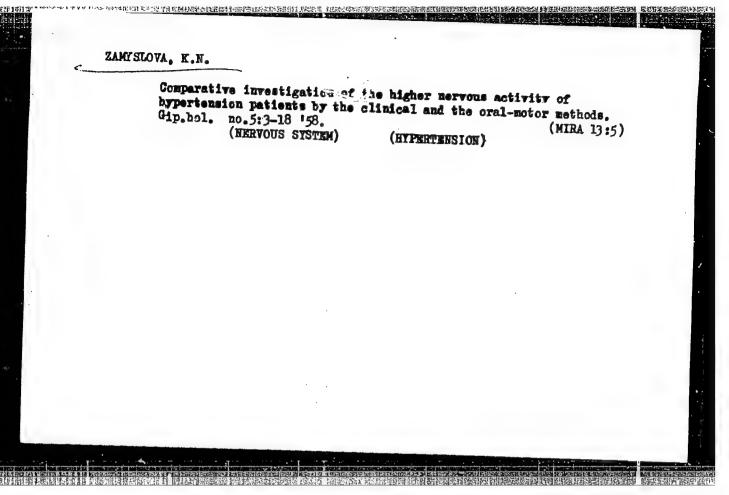
(THERAFEUTICS—ABSTRACTS)

ZAMISLOVA, K.N., prof.; YURAZH, V.Ya. (Moskva)

Clinical observations on the effect of reservine on coronary circulation in patients with hypertension. Klin.med. 38 (MIRA 13:11)

1. Iz Instituta terapit AMN SSSR (dir. - deystvitel nyy chlen AMN SSSR prof. A.L. Mynanikov).

(CORONARY VESSELS) (RESERPINE)



# ZAMYSLOVA, K.N.; IL'INA, L.I.

Comparison of the results of an investigation of the higher nervous activity of patients with hypertension and coronary insufficiency as shown by data from clinical, electroencephalographic, and oral-motor methods. Gip.bol. no.5:19-30 58. (MIRA 13:5) (NERVOUS SYSTEM) (HYPERTENSION) (CORONARY VESSELS-DISEASES)

USSR /Human and Animal Physiology - The Nervous System.

Abs Jour

: Ref Zhur Biol., No 3, 1959, 13268

Author

Zamyslova, K.N., Il'ina, L.I.

Inst

Institute of Therapy, Academy of Medical Sciences

USSR

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Title

: Comparative Results of Investigation of Higher Neryous Activity According to Data of Clinical, Electroe encephalographic, and Speech-Motor Methods in Patients

with Hypertension and Coronary Insufficiency

Orig Pub

: Tr. In-ta terapii Akad. med. nauk SSSR, 1958, vyp. 5,

19-30

Abstract

The characteristics, based on data of clinical interrogation, investigation of the EEG, and motor reactions to speech support, correlated in a majority of cases. Dissimilarities were noted in the dissociation

Card 1/2

- 128 -

# ZAMYSLOVA, K.W., (Moskva)

Combined treatment of hypertensives with reservine and ganglionblocking agents. Klin.med. 36 no.8249-54 Ag 158 (MIRA 11:9)

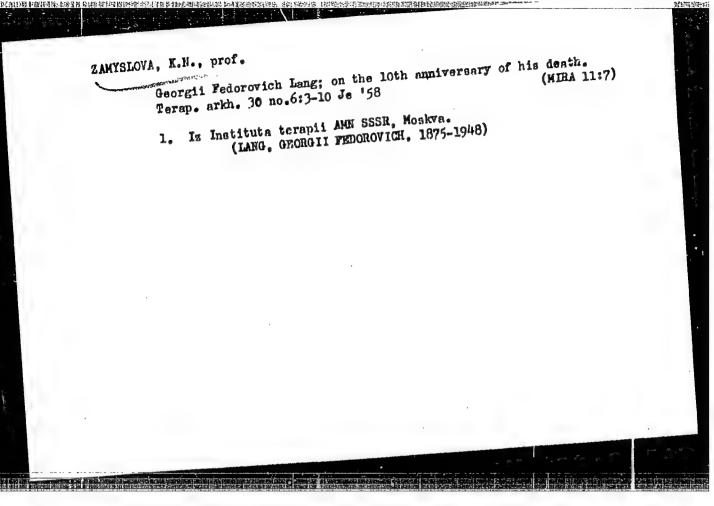
1. Iz Instituta terapii AMN SSSR (dir. prof. deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov).

(HYPERTENSICW. ther.

reserpine & ganglion blocking agents (Rus))

(RESERPINE, ther. use
hypertension, with ganglion blocking agents (Rus))

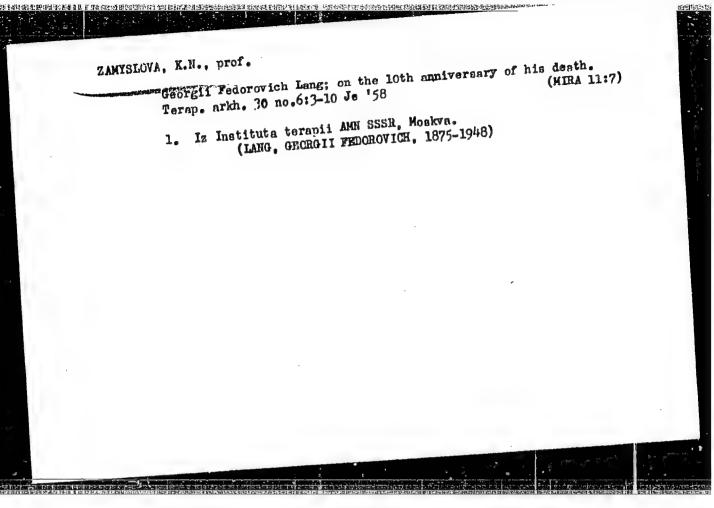
(AUTONOMIC DRUGS, ther. use
ganglion blockin agents in hypertentions, with reserpine (Rus))

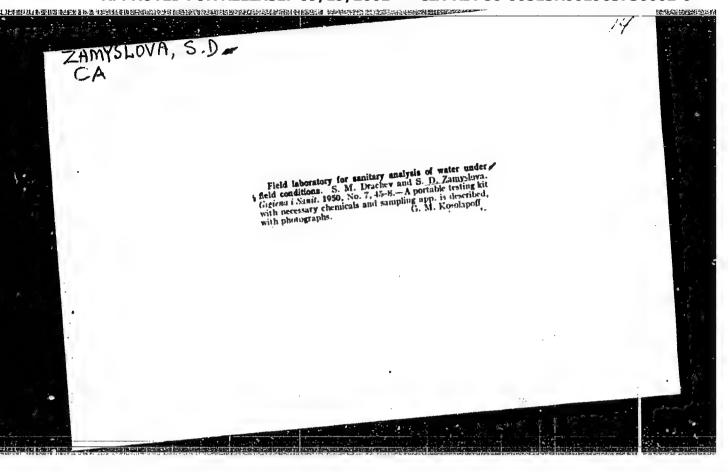


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AKSYUK, A.F.; ZAMYSLOVA, S.D.

Sanitary characteristics of sewage from the production of syn-

thetic fatty acids and sanitary requirements for discharge thetic fatty acids and sanitary requirements for discharge into open waters. Uch. zap. Mosk.nauch.—issl. inst. san. i (MIRA 16:11) gig. no.9:67-72 \*61.

SAIRNOVA, R.D.; ZAMYSLOVA, S.D.; ZARUBIN, G.P.

Sanitary conditions for discharging sewage from phenol and acetone production into open waters. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no.9:30-33 '61 (MIRA 16:11)

BLIOKH, S.S., kand.med.nauk; ZANYSLOVA ... kand.biolog.nauk

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1. Iz Moskovskogo nauchno-issledovatel skogo instituta sanitarii i gigiyeny imeni F.F.Erismana Ministerstva zdravookhraneniya RSFSR.

(WATER POLLUTION

by effluents of ore-processing plants, eff. on cond. of flat & mountainous rivers (Rus))

ZAMMISLOVA, S. D.

Dissertation: "Experimental Investigation of Sanitary Brainage Conditions of Liquid Wastes From the Petroleum-Frocessing Industry." Cand Biol Sci, Central Inst for the Advanced Training of Physicians, Moscow, 1953. (Peferativnyy Zhurnal--Philips, Moscow, No 5, Mar 54)

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ZAMYSLOVA, Zinaida Alekseyevna; YEGOROV, Yu., red.; TROYAMOVSKAYA, N., tekhm. red.

[International labor movement during the intensification of revolutionary activity, 1918-1923] Rezhdunarodnoe rabochee dvizhenie v period revoliutsionnogo pod"ema 1918-1923 godov. Moskva, Gospolitizdat, 1962. 60 p. (MIRA 15:8) (History, Modern) (Labor and laboring classes)

ZAMYGLOVUKII, B.E.

ZAMYSLOVSKII, E.E. Ob"iasneniia k uchebnomu atlasu po russkoi istorii ... viii, 255 p., ii p.

DLC: Maps Div.

SC: LC, Soviet Geography, Fart I, 1951, Uncl.

ZAMYSLOVSKII, E.E.

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SO: IC, Soviet Geography, Part I, 1951, Uncl.

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ACC NR. APE	027701		SOURCE CODE:	cz/0034/66/000/	1001/0023/0029
AUTHOR: Z	unyslovsky, Z	donek (Engineer)	Crha, Vladisla	v (Engineer)	47
***	ده د د در دو هم در دو مساويه واوساده	, Ostrava (Vysok		4	B
TITLE: Eventheory of	aluation of molasticity in	ethods for the c	alculation of rolling proce	lling pressures less	pased on the
SOURCE: H	ıtnicke listy	, no. 1, 1966, 2	3-29		
TOPIC TAGS	rolling mi	ll, plasticity,	pressure measure	ment, metal roll:	ing
ARSTRACT:	Both experim	ental and theore	tical mothods for	or the determinat	ion of the
and Geleji pressure v a blooming one availa	are evaluate alues are com mill. Altho ble at presen	d. Now formiles pared to the val	of Dinnik and lues obtained by quation needs seas; 8_figures,	Celikov, Sims, Or Lugovsky are analy experimental mea ome adjusting it 3 formulas and 5	surements on is the best

	1. 31/157-66 EAP(t)/EII/EMP(K) IJP(c) JD/HM ACC NR. AP6026037 SOURCE CODE: CZ/0034/66/000/003/0176/0178	1 22
	AUTHOR: Zamyslovsky, Zdenek (Engineer)	
	ORG: Department of Shaping of Hetals, College of Hining, Ostrava (VSB - Katedra tvareni kovu)	
	TITIE: Determination of stresses in the zone of volume deformation in rolling of ingots on a blooming mill	
	SOURCE: Hutnicke listy, no. 3, 1966, 176-178	
	TOPIC TAGS: metal stress, metal deformation, cold rolling, stress analysis	
•	ABSTRACT: Aluminum samples with artificially formed cavities were cold-rolled under laboratory conditions at various values of the geometrical factor of the deformation zone 1/h <sub>o</sub> . In the neighborhood of the artificially formed defects the uniformity of deformation and of stresses was investigated. The results obtained in the laboratory were verified on a large scale on a blooming mill. When the ratio 1/h is 0.7 = 0.8 the deformation on a blooming mill during rolling is more uniform than under other circumstances. The optimum conditions for the rolling operation are described. (rig. art. has: 3 figures and 1 table. (Based on author's Eng. abst.) [JPRS: 36.646]	A
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	L 20816-66 EMP(t)/EMP(k) JD/HA SOURCE CODE: CZ/0057/65/000/004/0176/(181	
	AUTHOR: Zamyslovsky, Zdenek (Angineer)  ORG: College of Mining, Ostrava (Vysoka skola banska)  TITLE: Rolling in spreading groove)	
は、アニー及を結び	SOURCE: Hutnik, no. 4, 1965, 176-131  TOPIC TAGS: metal rolling, fabricated structural metal  ABSTRACT: Basic principles of volling in spreading grooves are described. The shapes	
	of grooves that may be used are described, their construction is discussed, and the basis for calculations used in their application is given. The principles that determine the chape are evaluated. Calculations of problems when two shapes of the grooves are combined are discussed. Grooves suitable for billet trains are described. Troblems encountered in billet benches are discussed. Grooves used for rolling of stall diameter bars, and wire are described; the importance of selecting a suitable groove depends also on the degree of mechanization of the plant. Orig. art. has: 16 f. gures.	2
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ACC NR: AP6026068

SOURCE CODE: CZ/0034/65/000/012/0860/0365

AUTHOR: Zamyslovsky, Zdenek (Engineer)

ORG: Department of Netal Formation, College of Metallurgy, Ostrava (Vysoka skola banska, katedra tvareni kovu)

TITLE: Non-uniform deformation of ingots rolled on blooming mills

B

SOURCE: Hutnicke listy, no. 12, 1965, 860-865

TOPIC TAGS: rolling mill, metal deformation

ABSTRACT: Non-uniform deformation along the height of the cross section dimension is discussed. Laboratory experiments were conducted maintaining similarity to actual blooming mill operation. Cold worked Al samples, and hot worked steel samples were used. The deformation was a function of the ratio of the width of the cross section to its height. Conditions under which concave irregular shape changed to convex shape were investigated. The appearance of surface cracks increases with the increase in the width of the cross section. Orig. art. has: 9 figures and 8 tables. Based on author's Eng. abst. JPRS: 34,272

SUB CODE: 13, 20 / SUBM DATE: none / SOV REF: 009 / OTH REF: 003

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UDC: 539.38 669-122

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ZAMZRIN, Ye. A., Acad.

Dans

"Effect of rolling 6. earthen dams on filtration through them." Dokl. Ak. sel'khoz. 17 No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, October, 1952. UNCLASSIFIED.

"Sur la cinctique et le mecanisme des reaction d'oxydation-reduction simultanee. Comm. II."

Zan. A. M. et Stephanowskij, W. F. (p. 2385)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 18.

# ZAN, S.

SCIENCE

PERIODICAL: WIADOMOSCI BOTANICZNE, Vol. 1, No. 3, 1957

ZAN. S. The propagation of the Japanese pagoda tree (Sophora japonica L.) by seeds. p. 138

Vol. 2, no. 4, 1958

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4 April 1959, Unclass

ZAH, V.

Broaching and production of broaches. p. 495. STROJIRMISTA VIRO A. (Ministerstvo strojirenstvi) Praha. Vol. 3, no. 12, Dec. 1955.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

ZAN, Z., ins., kandidat technickych ved

Present state of the electrostatic generator engineering and the use of the generators in nuclear engineering. El tech obzor 52 no.7:386-388 Jl '63.

Zan, Z.

Problems of long-distance power transmission by cables. Tr. from the German. p. 130 ENERGETIKA. (Ministerstvo paliv a energetiky. Hlavni sprava elektraren) Praha. Vol. 6, no. 3, Mar. 1956.

Source: EEAL IC Vol. 5, No. 10 Oct. 1956

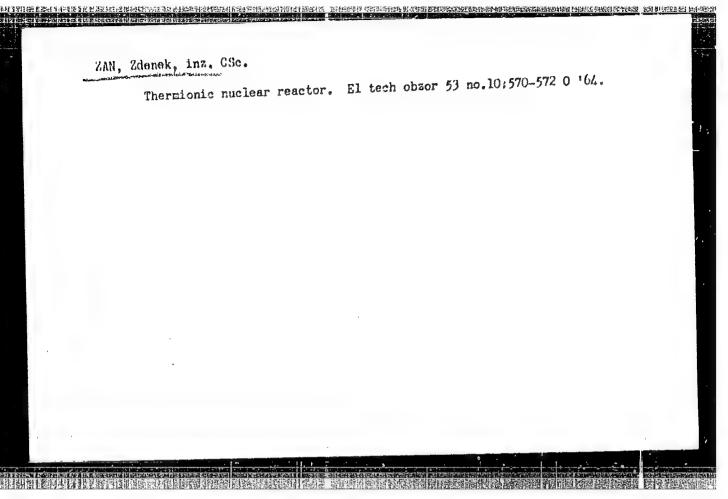
ZAN, Z.

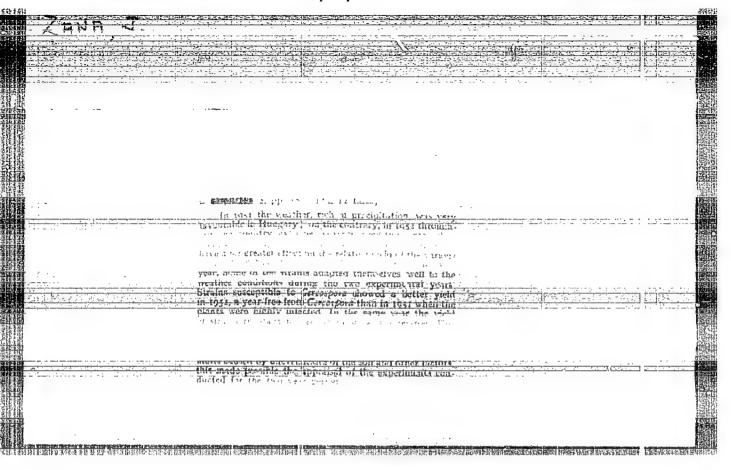
Rotating electrostatic generators with insulating conveyor and oblique field. p. 580.

ELEKTROTECHNICKY OBZOR. (Minsterstvo tezkeho strcjirenstvi a Ceskoslovenske vedecka technicka spolecnost pro elek trotechniku pri Ceskoslovenske akademii ved) Praha, Czechoslovakia. Vol. 48, no. 11, Nov. 1959.

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Uncl.





# ZANA, Janos

Protecting experiments against Cercospora by "Erestan", a new protecting agent. Cukor 12 no.7:195-199 Jl '59.

1. Tudomanyos munkatars, Cukoripari Kutato Intezet.

ZANA, Janos-

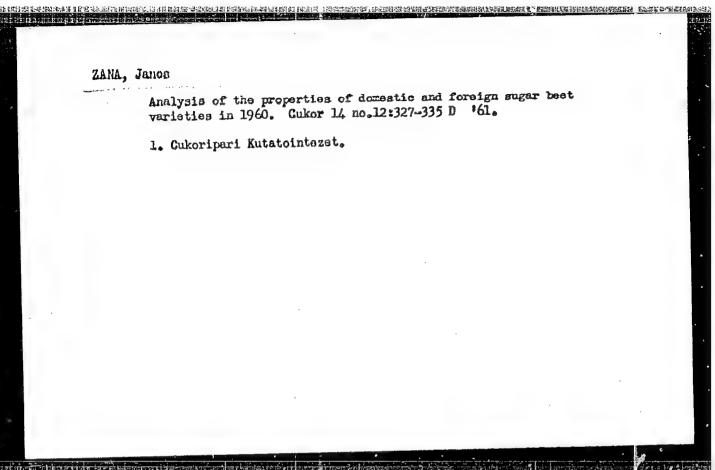
Experiments for investigating the thinning out time and method in connection with one-seeded and many-seeded species. Cukor 17 no.3:85-96 Mr 164.

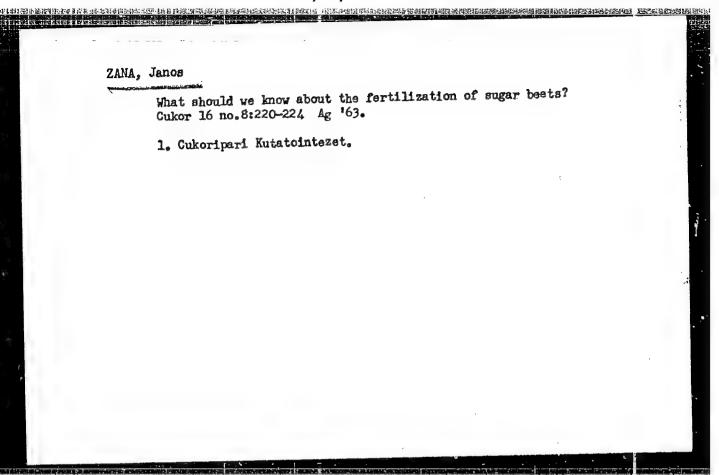
1. Research Institute of the Sugar Industry, Budapest.

ZANA, Janos

Experiments for Cercospora control in 1960. Cukor 14 no.9:271-274  $^{\circ}$   $^{\circ}$  61.

1. Cukoripari Kutatointezet.





ZANA, Janos

The 1958 comparative experiments with varieties and the result of the 1951-58 series of experiments. Cukor 12 no.8:227-4 of cover Ag '59.

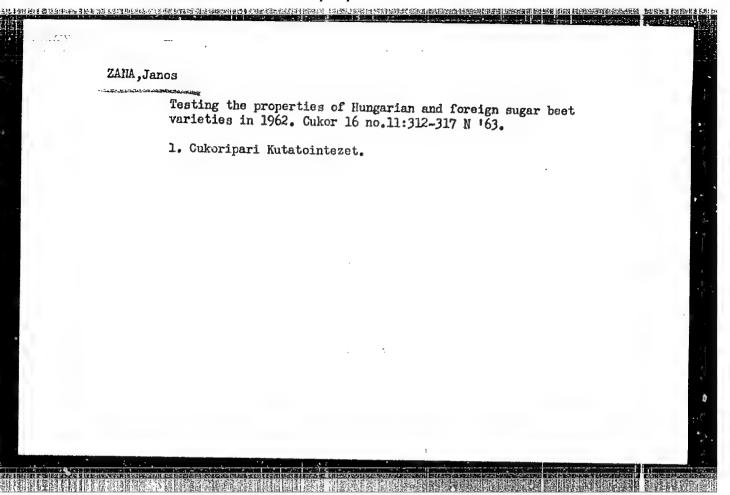
1. Tudomanyos munkatars, Cukoripari Kutato Intezet.

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JERMY, Sandor; ZANA, Janos ...

German terminology of sugar beet growing. Cukor 16 no.4:106-113 Ap \*63.

1. Cukoripari Kutatointezet.



ZANA, Janos

Testing the properties of Hungarian and foreign sugar beet varieties in 1962. Cukor 16 no.12:334-336 D '63.

1. Cukoripari Kutatointezet.

ZANA, Janos, tudomanyos munkatars

Comparative tests on Hungarian and foreign sugar beet varieties conducted in 1957. Cukor II no.7:183-190 J1\*58

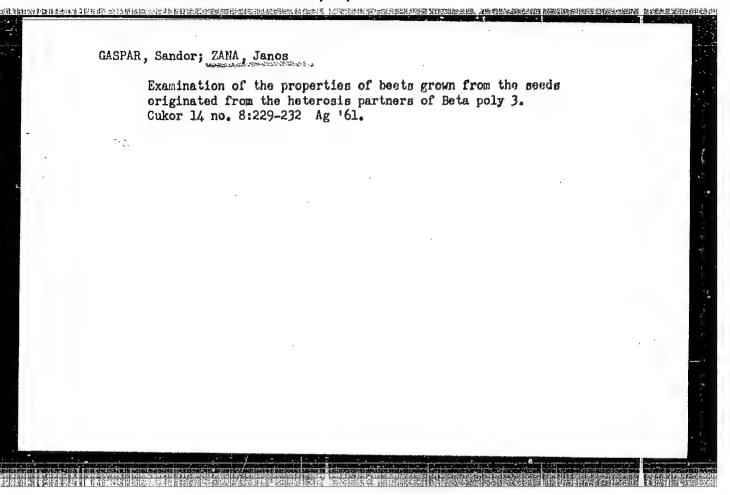
1. Cukor: uri Kutatointezet.

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ZANA, Janos

Development of sugar beet in 1958/59. Cukor 14 no.3:78-3 of cover Mr 161.

1. Cukeripari Kutatointezet.



ZANA, Janos

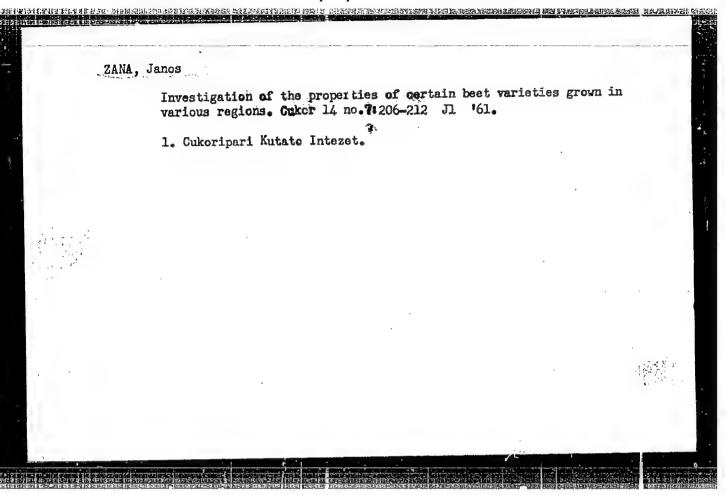
Examination of the properties of certain sugar beet varieties grown in different types of soil in 1962. Cukor 17 no. 1:

1. Cukoripari Kutatointezet.

ZANA, Janos

Examination of the properties of beet varieties in 1960. Cuker 14 no. 6:175-3 of the cover Je '61.

1. Cukoripari Kutatointezet.



ZANA, Janos, tudomanyos munkatars.

Results of comparative experiments in sugar best species in 1956 and some conclusions drawn from the results of a series of experiments carried out in 1951-1956. Cukor 11 no.2:39-46 F'58.

1. Cukoripari Kutatointezet.

ZiNA, Janos

Testing the properties of sugar best species in 1963. Cukor 17 no.7: 212-218 J1 '64.

1. Rosearch Institute of the Hungarian Sugar Industry, Budapest.

ZAMA, Janos

Comparing the biological value of augar bost seeds propagated by cuttings. Cukor 18 no.3:85-83 Mr '65.

1. Hungarian Sugar Industry Research Institute, Budapest.

ZANA, Janos

Analysis of the properties of Hungarian and foreign sugar beet varieties in 1963. Cukor 17 no. 5: 145-154 My '64.

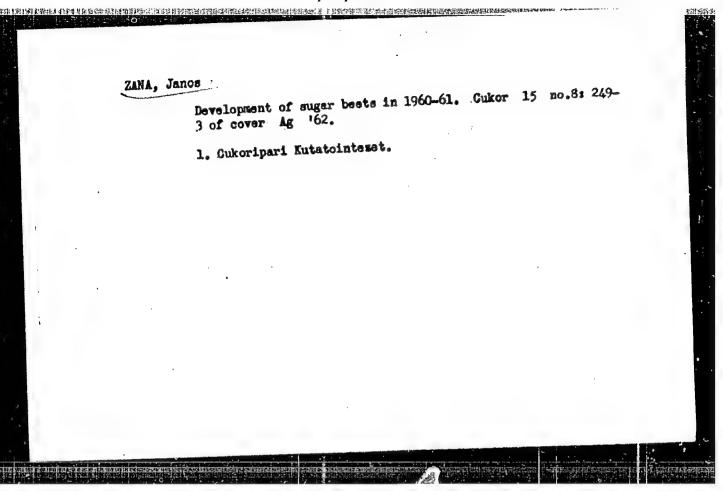
1. Hungarian Sugar Industry Research Institute.

ZANA, Janos, tudomanyos munkatars.

Results of the 1957 comparative tests on sugar best varieties as well as of the series of experiments performed in 1951-1957. Cukor 11 no.8:214-220 Ag\*58

1. Cukoripari Kutatointezet.

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Hungarian Technical Abst.

Vol. 6 No. 1

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金化合金产的产品之共和共产品的影响的运动表达,有关于对于共和国的工程的共和主义的主要,不是对于他的主义的主义的主义的主义的主义的主义的主义的主义的主义的主义的主义

HUNGWRY/Cultivesed Plants - Technical, Oleagineus, Sachariferous.

11-7

Abs Jour

: Ref Zhur - Biol., No 9, 1950, 39453

Author

: Mana, J.

Inst

Title

: A Comparative Study of Local and Foreign Sugar Book

Varieties.

Orig Tub : Cultoripar, 1957, 10, No 7-8, 131-139.

Abstract : No abstract.

Card 1/1

- 131 -

HUNGARY / Cultivated Plants. Technical.

M-5

Abs four

: Ref Zhur - Biologiya, No 2, 1959, No. 6385

Author

: Vukov, Konstantin; Zana, Janos

īnst

! Not given

Title

: The Effect of the Donsity of Sowings on the

Quality and Yield of Sugar Beets

Orig Pub

: Cukoripar, 1958, 11, No 1, 16-20

Abstract

: The yield decreases and quality of sugar beets deteriorate (decrease in saccharinity and an increase in the ash content of the juice) when the density of plants is: 87 - 91 thous. On

1 ha.

Card 1/1

HUNGARY / Cultivated Plants. Commercial. Oil-Bearing. M-5
Sugar-Bearing.

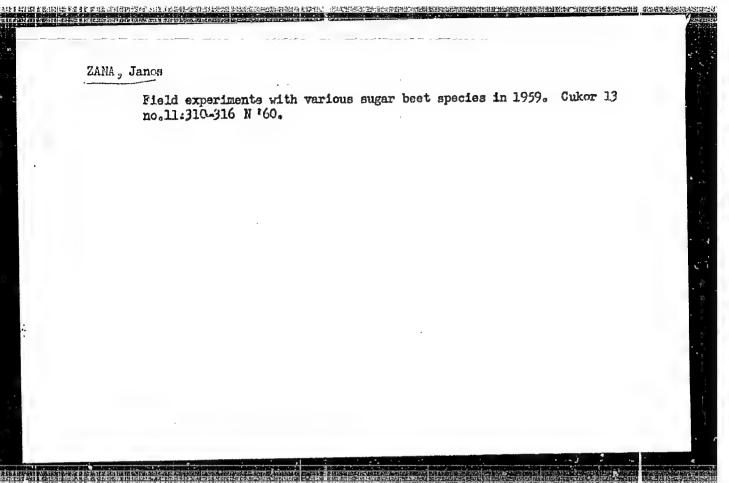
Abs Jour: Ref Zhur-Biol., No 6, 1958, 25174

Author: Vukov, K., Zana, I
Inst: Not given
Title: Experiments on the Application of Mineral Fertilizers to Sugar Beets

Orig Pub: Magyar Mezogazd., 1957, 12, No 8, 5 (Hung.)

Abstract: No abstract.

Card 1/1



ZANA, Janos

Examination of certain beet varieties on various foster soils in 1961.
Cukor 15 no.11:318-4 of cover N '62.

1. Cukoripari Kutatointezet.

# ZANA,JANOS

HUNGARY / Cultivated Plants. Experimental Methodology :...

: Ref Zhur - Biol., No 8, 1958, No 34586 Abs Jour

Zana, Janos Not given Author

Inst : Theoretical and Practical Problems in Connec-Title

tion with Field Testing Methods.

Orig Pub : Cukoripar, 1957, 10, 44-6, 66-68.

: Discussion of methods for the field testing of Abstract

sugar beets, selection of soil areas, determination of its size, of the shapes of allocation lots and the method of their assignation.

Card 1/1

12

CIA-RDP86-00513R001963730002-0" APPROVED FOR RELEASE: 09/19/2001

### Zana, J.

The comparative tests on species in 1958 and the results of the 1951-1958 test series. p.277

CUKCRIPAR. (Cukoripar es Mezogazdasagi es Elemiszeripari Tudomanyos Egyesulet.
Budapest, Hungary. Vol. 12, no.8, August 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no.11 November 1959 Uncl.

ZANA, J.; MARTON, A.

Evolution of sugar beets in 1956 and 1957 and estimation of beet evolution. p. 268.

CUKORIPAR. (Mezogazdasagi es Elelmiszeripari Tudomanyos Egyesulat. Cukoripari Szakosztaly) Budapest, Hungary, Vol. 11, No. 10, Oct. 1958.

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ZAMA, J.

Prophylactic tests against Cercospora with a new fungicide called Brestan. p.195

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Monthly List of East European Accessions (EEAI) 10., Vol. 8, no.12, Dec. 1959

## ZANA, Janos

Experiments with various beets on culture soils at Merchegyes in 1957-58. Cukor 12 no.1:308-312 N '59.

1. Cukoripari Kutatointezet.

### ZANA, Janos

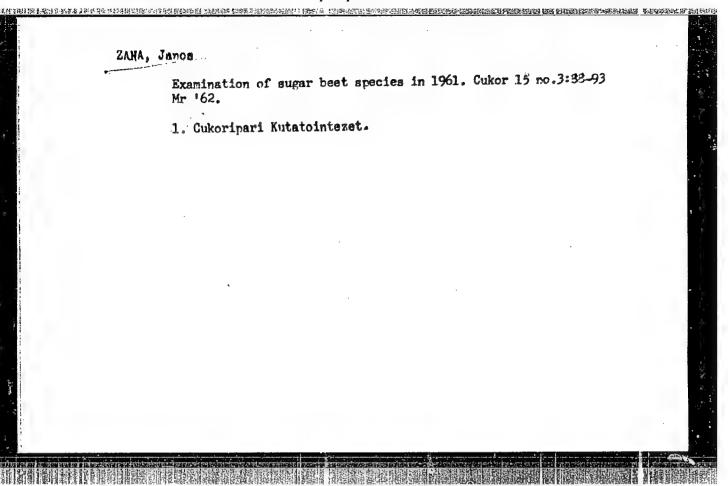
Experiment on controlling Corcospora at Mezahegyes, 1959. Cukor 13 no.3:88-92 Mr 160.

1. Cukoripari Kutatointezet.

## ZANA, Janos

Comparative experiments in the 1959 sugar beet varieties and the result of the 1951-59 series of experiments. Cukor 13 no.4:121-128 Ap 160.

1. Cukoripari Kutatointezet.



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ZANA, Janos

Analysis of some properties of certain sugar beets species grown on various soils in 1963. Unkor 17 no.10:296-302 0 '64.

1. Research Institute of Hungarian Sugar Industry, Budapest.

2015年4月1日 - 1915年 - 1 ZANAA, M Country USSR Diseases of Farm Animals. Diseases Caused by Catogory Bacteria and Fungi Abs. Jour.: Ref Zhur-Biol, No 23, 1958, No 105820 : Gannushkin, M. S.; Bessarabov, B. F.; Butkin, Author Institut. : Biomycin in Paratyphoid of Piglets, Brucellosis Title of Cattle and Infectious Pleuropneumonia of Orig Pub. : Veterinariya, 1958, No 3, 53-56 Abstract : The therapeutic effectiveness of biomycin (B) was tried in two experiments conducted on 24 and 115 young pigs affected with paratyphoid. All animals treated with B recovered. The use of synthomycin /chloramphenicol7, as well as the action of antiparatyphoid serum and that of sulfa preparations, proved less effective than B. Better results were achieved when B was applied # Ye. I.; Zanaa, M. Card:

GANNUSHKIN, M.S., prof.; BESSARABOV, B.F., aspirant; BUTKIN, Ye.I., aspirant; ZANAA, M., aspirant

Biomycin in paratyphoid fever of pigs, brucellosis of cattle, and infectious pleuropneumonia of goats [with summary in English].

Veterineriia 35 no.3:53-56 Hr 158. (MIRA 11:3)

1. Moskovskaya veterinarnaya akademiya.
(Aureomycin) (Veterinary medicine)

AUTHOR: Zanadvorov, P.H.

109-3-2-7/26

TITLE:

Synchronisation of Oscillators by a Periodic Pulse Train (O sinkhronizatsii avtogeneratorov periodicheskoy posledovatel'nost'yu impul'sov)

PERIODICAL: R

Radiotekhnika i Elektronika, 1958, vol.III, No.2, pp. 202 - 213 (USSR).

ABSTRACT: an osc ised b repeat

CT: The problem considered may be formulated as follows: an oscillator, which has a natural frequency  $f_0$ , is synchronised by a periodic pulse train, in which the pulses are repeated at a frequency  $F_B$  and the frequency of the radio component of the pulses is  $f_1$ . The synchronising signal can be expressed as a Fourier series:

$$e_B = e_{BO} + \sum_{k=0}^{\infty} e_{Bk} \cos(k\Omega_B t \div \phi_k)$$

and the signal at the output of the oscillator by:

$$e_{\Gamma} = \sum_{k=-\infty}^{\infty} e_{\Gamma_k} \cos[(\omega_1 + k\Omega_B)t + \psi_k].$$

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109-3-2-7/26

Synchronisation of Oscillators by a Periodic Pulse Train

The problem cannot be solved by the spectral method of analysis and it is necessary to employ the iterative method of analysis devised by Teodorchik (Ref.2). In this, it is assumed that each radio pulse in the train produces a displacement of the initial phase of the oscillations in the oscillator and results in the appearance of an amplitude transient. After termination of the pulse, the frequency of the oscillator changes instantly to f, i.e. there is no further change in the phase of the oscillations. If the interval between the successive pulses is sufficiently large, the amplitude of the oscillations at the beginning of the next pulse will be practically the same as that at the beginning of the preceding pulse. In this case, the conditions in the oscillator at the beginning of each successive pulse differ from those during the preceding pulse only by virtue of their phase, which can be expressed by:

$$\varphi_n = \varphi(\varphi_{n-1}) + \omega_o(T_B - t_N)$$

where  $\phi_n$  is the phase at the beginning of the n-th pulse, Card2/5  $\phi_{n-1}$  is the phase at the beginning of the preceding pulse

109-3-2-7/26

Synchronisation of Oscillators by a Periodic Pulse Train

and t<sub>N</sub> is the duration of a pulse. Eq.(1) is a difference equation of the first order and it describes the process of periodic "phasing" of the oscillator. Eq.(1) can also be written as Eq.(2) or (4). The differential equation for the phase of the oscillator (with respect to the phase of the oscillations in a synchronising pulse, for the case of small and slowly changing amplitudes can be written as:

$$\frac{d\psi}{d\tau} = h - E(\mathcal{E}) \sin \psi \tag{8}$$

where  $\psi$  is the phase difference,  $\mathcal{T}=\omega t$  is the normalised time,  $E(\mathcal{T})=e_m(\mathcal{T})/2A_o$  is the normalised amplitude of the synchronising signal,  $e_m(t)$  is the amplitude of the synchronising signal as a function of  $\mathcal{T}$ ,  $A_o$  is the amplitude of the oscillations and h is the relative de-tuning between the natural frequency of the oscillator and the synchronising frequency. If  $\psi=\psi-h\,t$ , Eq.(2) can be written as Eq.(9) and if  $u=tg\,\psi$ , Eq.(9) is in the form of Eq.(10). The

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109-3-2-7/26 Synchronisation of Oscillators by a Periodic Pulse Train

solution of this Riccati-type equation is given by Eq.(11) or by Eq.(13), where  $\beta$  can be found from Eqs.(22) and  $\alpha_0$  and  $\alpha$  can be found from Eqs.(23) and (24). In the above equations,  $\varkappa = E_0 \gamma$  and  $\gamma = h/E_0$ . From the above, it follows that the process of periodic "phasing" by the radio pulses of small amplitudes can be described by:

$$\varphi_n = 2 \operatorname{arc} \operatorname{tg} \left( \operatorname{tg} \frac{\varphi_{n-1} + \alpha_0}{2} e^{-\beta} \right) - \alpha + \lambda$$
 (29)

from which the equilibrium points of the system are expressed by Eq.(30), where  $\theta=\phi+\alpha_0$  and  $\theta_p=\alpha_0+\phi_p$ . Solutions of Eqs.(29) and (30) are found and the results are shown graphically in Figs. 3, 4, 5 and 6. Fig. 3 shows that the stable region (shaded) and the curves of  $\theta_p=0$  ('dashed' curve) for  $f_0=$  constant and  $\mathcal{K}_0=$  10. Figs. 4, 5 and 6 show the stable regions and the curves of  $\theta_p=0$  Card 4/5 for other values of  $\mathcal{K}_0$ . The phasing function of the

Synchronisation of Oscillators by a Periodic Pulse Train 109-3-2-7/26

system for various values of  $\,\beta\,$  is shown in Fig. 7. There are 7 figures and 8 Russian references.

ASSOCIATION:

Leningrad State University imeni A.A. Zhdanov (Leningradskiy gosudarstvennyy universitet im.

A.A. Zhdanova)

SUBMITTED:

January 21, 1957

AVAILABLE:

Library of Congress

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1. Oscillators-Synchronization-analysis

CIA-RDP86-00513R001963730002-0" APPROVED FOR RELEASE: 09/19/2001

AUTHORS: Shauman, A.M. and Zanadvorov, SOV/141-2-2-15/22 TITLE:

2000年1月20日 1月2日 - 1月1日 - 1月1日

Frequency Locking in a Self-oscillator with Two Degrees

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, 1959, Vol 2, Nr 2, pp 267 - 276 (USSR)

ABSTRACT: A simple feed-back oscillator has a pair of coupled tuned circuits connected between grid and cathode. The conditions assumed here include a wide range of tuning and coupling but maintain a small amount of "splitting" of the normal

frequencies of the circuits. The circuit, shown in Figure 1, is described by the Eq (1), on the assumption that the valve

works in the 'soft' regima. The proper frequencies are  $n_1$  and  $n_2$  and  $\mu = n_1 (MS_0 - R_1 C_1)$  is chosen as the small The frequency condition is Eq (2). When Eq (3) is satisfied the roots of Eq (2) are degenerate and Eq (1) merely describes an oscillator with a single degree of

freedom with free oscillations in a coupled winding. When

the frequency of the external force is close to that of Card1/3 either circuit, Eq (4) describes 'double resonance'.

SOV/141-2-2-15/22 SOV/141-2-2-15/22 Frequency Locking in a Self-oscillator with Two Degrees of Freedom

From Eqs (1) and (4), the time derivatives of A, B, C, D, slowly varying functions of time, can be evaluated giving the set of abbreviated equations (5). In the steady state this last system degenerates into a set of algebraic equations from which 'resonance curves' may be found. The stability condition, that the real parts of the roots are regative, can be found from Eq (6) or, more shortly,  $f(\lambda) = 0$ , which follows it. For the case of equal proper frequencies and damping the resonance curves and stable and unstable (cross-hatched) areas are plotted in the  $R^2 = (A + C)^2 + (B + D)^2;$  $a = (p - \omega_1)/\mu$  where p is the frequency of the external takes values 0.05,  $\gamma = Ncn^2$ force. The coupling factor and A<sub>5</sub> 0.025, 0.0125, 0.01 and A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub>, A<sub>4</sub> parameters, taking simple values, usually zero. Figure 3 is an isometric view of the R ,a curves when  $\gamma$  is allowed continuous variation. The value  $\gamma=0.0125$ corresponds to critical coupling. The qualitative behaviour of the curves of Figure 2 are described in Section 4.

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Frequency locking in a Self-oscillator with Two Degrees of Freedom

Experimental work has been carried out with an arrangement whose block diagram is in Figure 4. The tuned circuits of the oscillator are set to 170 kc/s. A variometer enables the coupling to be varied from  $\gamma = 0$  to 0.1. The output is examined on a ASChKh-1 spectrum analyser (0-20 kc/s) after conversion using a local oscillator tunable from 160-180 kc/s. By setting in a particular value of external driving force and gradually adjusting the coupling the appearance of the spectrum on the display tube could be correlated with the expectations of Section 4. The agreement is satisfactory and the theory may be used to predict the limits to the regions of stable locking for given values of there are 4 figures and 4 Soviet references.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED;

December 12, 1958

"中国公司经济的政治,但是自己的政治,但是一个人们的政治,但是一个人们的政治,但是一个人们的政治,但是一个人们的政治,但是一个人们的政治,但是一个人们的政治,但

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SOV/141-2-3-19/26 Chirkov, M.K. and Zanadvorov. P.N. **AUTHORS:** 

TITLE:

The Influence of a Large Amplitude Radio Pulse on a

Self-oscillator15

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika,

1959, Vol 2, Nr 3, pp 473 - 482 (USSR)

The transient conditions in a driven oscillator are ABSTRACT:

studied, using the terminology of periodic phasing and the mathematical apparatus of finite-difference equations.

The analytical relations obtained agree well with the

results of numerical solution of the differential

equations. The oscillator is a tuned-anodo circuit with various bias arrangements. The valve characteristics are approximated by linear segments. If the frequency of the external signal is constant and the circuit parameters

are fixed, the instantaneous amplitude and phase at the beginning of each successive period of excitation are given by Eq (1). If the oscillation was originally a

damped sine wave, the amplitude and phase after one period of excitation are given by Eq (2). The angle over which

anode current is cut off (referred to the grid) is given Card1/3

The Influence of a Large Amplitude Radio Pulse on a Self-oscillator

in Eq (4) for fixed bias and in Eq (5) for "inertialess" auto-bias. The system of equations used in the rest of the paper (Eq 6) is a re-statement of Eq (2). For the synchronous case an even more compact form in new variables is Eq (9). The constant C is evaluated for fixed bias and variable bias with greater and less than 90° is the cut-off angle in the free-running condition). The solution to Eq (9) is Eq (10), represented in Figure 1 as a phase-frequency plot for various pulse durations. When the initial phase has a random character, the statistics of phase distribution after excitation are those in Figure 1b. Figure 2 shows the duration of pulse necessary to effect a given mean phase deviation. Figure 3 shows the "settling time" for phase of a synchronized oscillator with self-bias. When there is slight detuning, Figure 1 is replaced by Figure 4. The phase change with increase in pulse duration now has an oscillating character and the distribution

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SOV/141-2-3-19/26
The Influence of a Large Amplitude Radio Pulse on a Self-oscillator

function in Figure 4b is now asymmetrical. There are 4 figures and 4 Soviet references.

N: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED:

December 12, 1958

Card 3/3

CIA-RDP86-00513R001963730002-0" **APPROVED FOR RELEASE: 09/19/2001**